

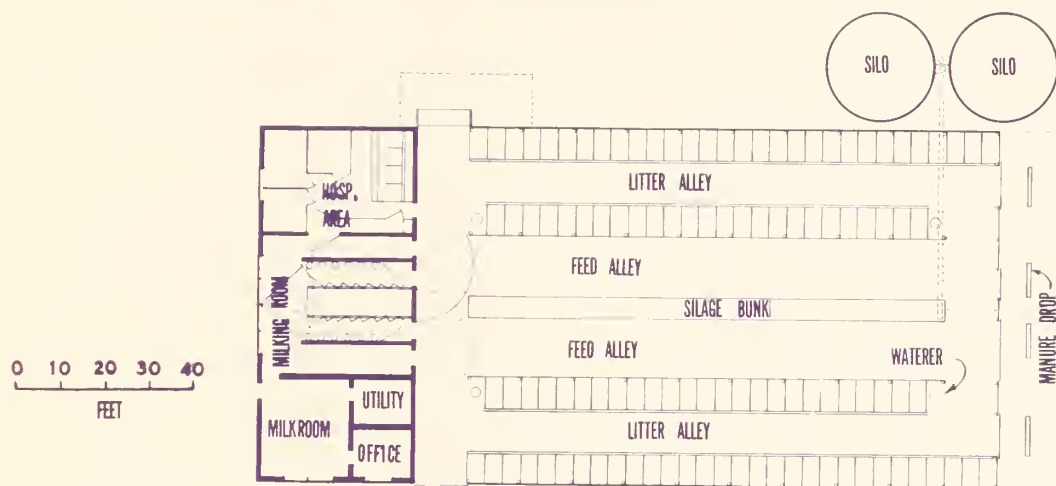
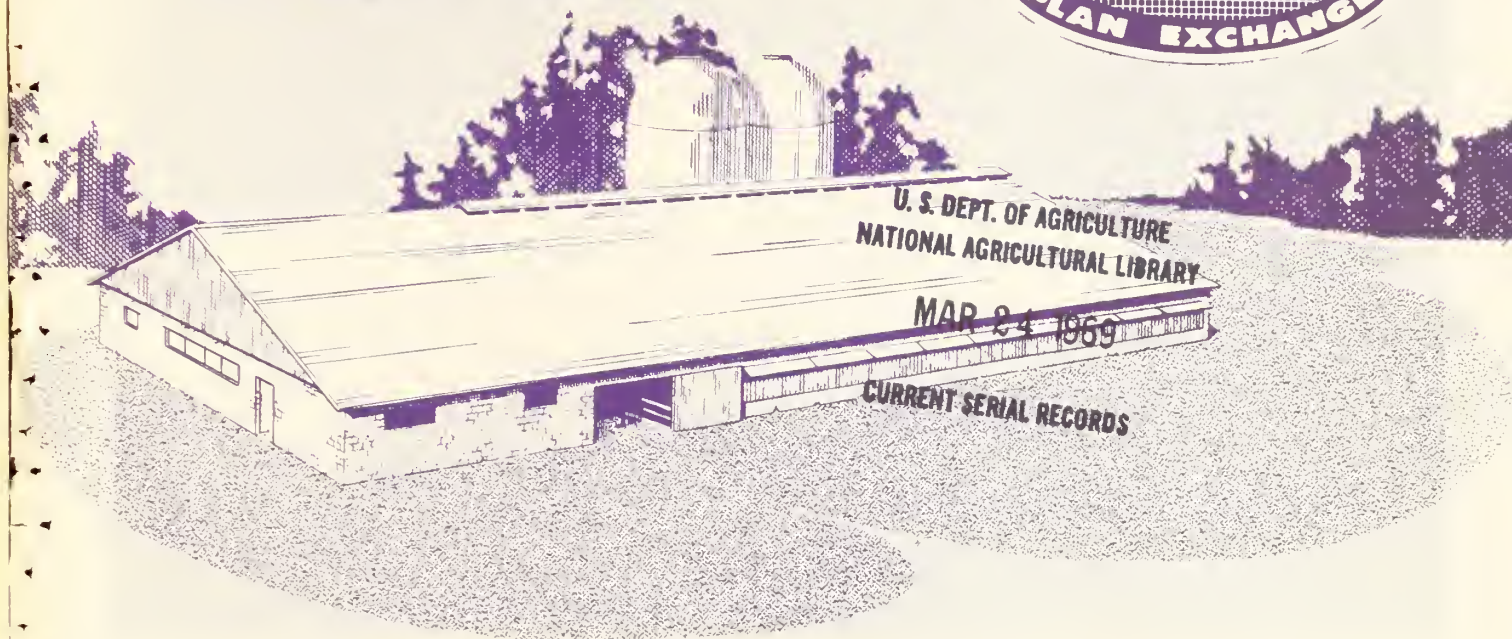
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# FREE-STALL SYSTEM for dairy cows

**COOPERATIVE  
FARM BUILDING**  
**Plan No. 6035**  
( 2 SHEETS )  
**PLAN EXCHANGE**



The working drawings for this free-stall barn include, in addition to the basic plan shown above, four alternate arrangements for the milking plant and hospital area. One of these arrangements allows for doubling the capacity of the barn.

The cows are housed and fed in a closed, uninsulated barn. Ventilation in the barn is provided by slots under the sidewall eaves and by a continuous ventilator along

the ridge. In warm weather, hinged panels in the side-walls may be opened to allow additional air movement.

The silage bunk serves as a divider for separating the cattle into two herds of 55 cows each. The bunk is filled by mechanical conveyors from the silos. Two of the alternate plans also allow the use of a self-unloading wagon in a drive-through feed alley.

Washington, D.C.

Issued March 1969

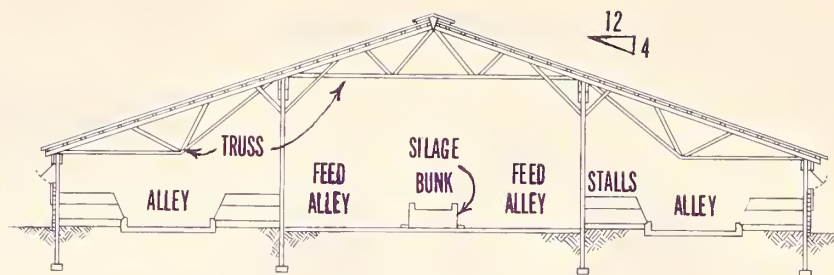
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**Miscellaneous Publication No. 1127**

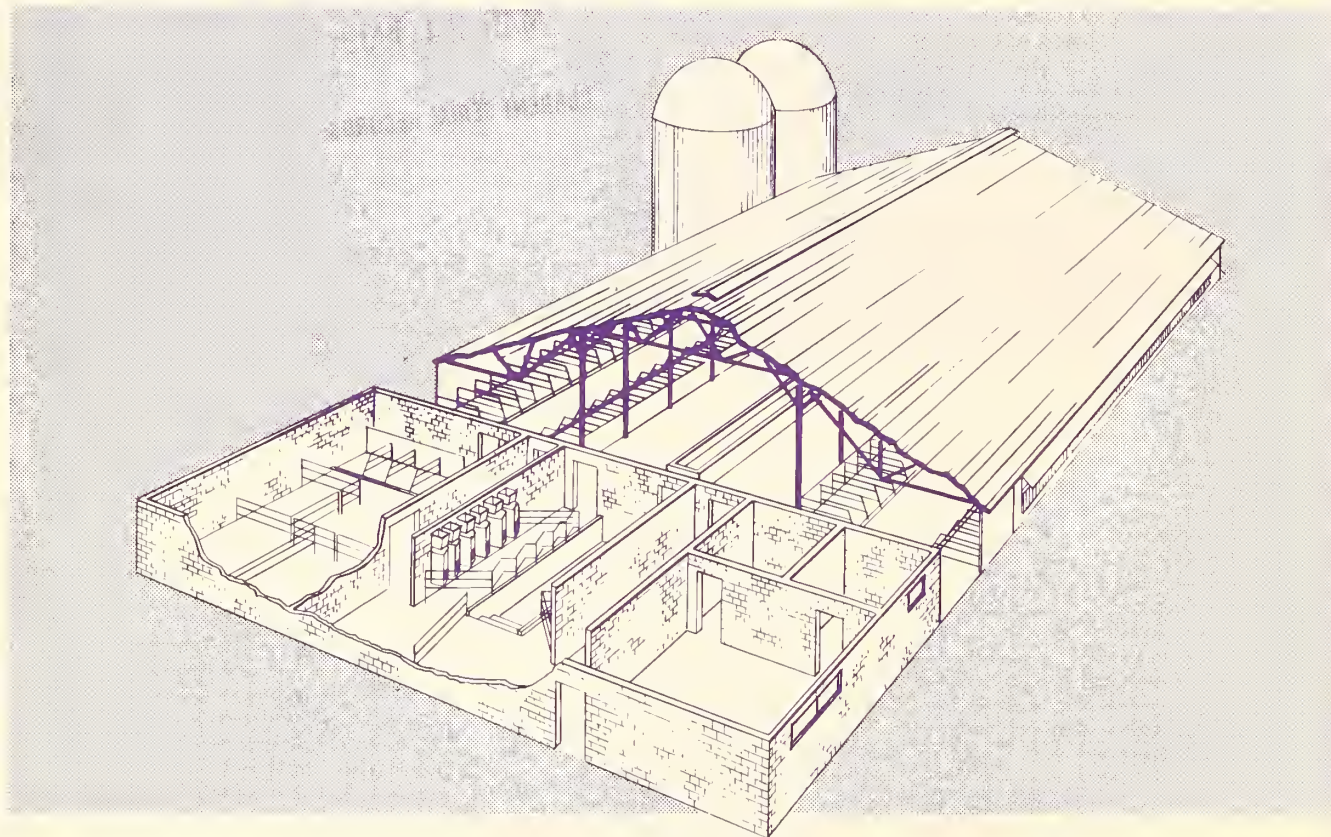
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# DETAILS



**CROSS SECTION THROUGH BARN**



**CUTAWAY VIEW OF MILKING AND MANAGEMENT AREA**

The cross section suggests pole-type construction for the barn, with a truss-supported roof. However, the working drawings do not include any construction details for either the barn or the milking plant.

The final building plans must be adequate for the conditions in the area in which the barn is to be built, and they must comply with the applicable health regulations.

Working drawings may be obtained from the extension agricultural engineer at your State university. There may be a small charge to cover cost of printing.

If you do not know the location of your State university, send your request to Agricultural Engineer, Federal Extension Service, U.S. Department of Agriculture, Washington, D.C. 20250. He will forward your request to the correct university.

**ORDER PLAN NO. 6035, FREE-STALL SYSTEM FOR DAIRY COWS**



